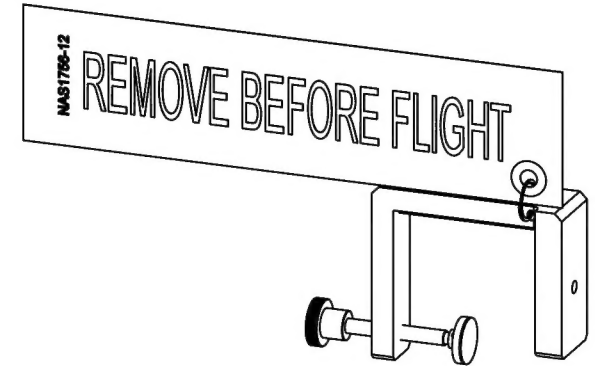
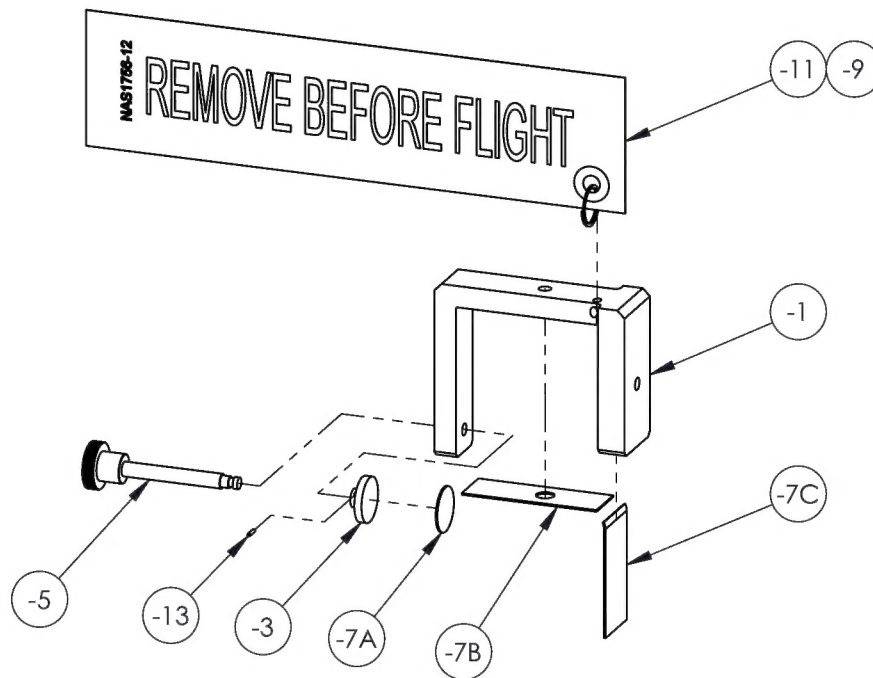


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REPLACED THUMB NUT, ALL THREAD & DOWEL PIN WITH THUMB SCREW & ROLL PIN.	3/20/2009	WP	DW
1A		CH'D ENGRAVE NOTE P/N -1.	5/28/2009	RJC	RW
2		CORRECTED DIM P/N -1 FROM .513 TO .482 DIM SNAPPED TO DIM EXT. NOT CORNER, CH'D P/N -11 FROM MAS1756-18, CH'D P/N -1 RADIUS FROM .250, ADDED MISSING R.125 DIM P/N -1 TOP VIEW, & .119 DIM SIDE VIEW.	10/14/2009	RJC	RW
2A		CH'D TITLE WAS SUPPORT, DIAL INDICATOR TAIL ROTOR ASSEMBLY IS SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE). -13 ADDED B/O P/N INFO. -1, -3, -5 MOVED TO SEPARATE SHEETS. -3 CH'D DIM WAS Ø.062 IS LIMITS Ø.062 TO .065.	4/15/2014	DPD	JAG
3	16-0224	UPDATED TO NEW STANDARD. -1 CH'D DIMS WAS .592 IS 2X .592, WAS 2X R.125 IS 2X R.13, WAS .188 IS .19, WAS .200 IS .20, WAS Ø.159 IS Ø.16, WAS R.312 IS R.31, WAS 2X R.030 IS 2X R.03, ADDED DIM 2.66, -3 CH'D DIMS WAS Ø.980 IS Ø.98, WAS Ø.393 IS Ø.39, WAS Ø.062-.065 IS Ø.062-.065 (P.F. -13). -5 CH'D DIMS WAS 3.31 IS (3.31), WAS 3.06 IS (3.06), WAS Ø1.00 MED KNURL IS (Ø1.00), WAS .625 IS (Ø.625), WAS 5/16-18 UNC IS (5/16-18 UNC). -7 DELETED FROM BOM. -7A, -7B, -7C ADDED TO BOM & DRAWING. -13 CH'D B/O REF WAS #90145A416 IS #92373A106.	11/17/2016	DPD	JAG



#### NOTES:

##### 1. REFERENCE:

RBW6005G01831 = 3G6005G01831  
 RBW6005G01831-1 = 3G6005G04131  
 RBW6005G01831-11 = 999-3900-17-3

##### 2. FUNCTION:

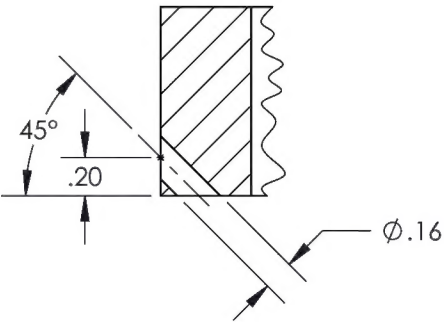
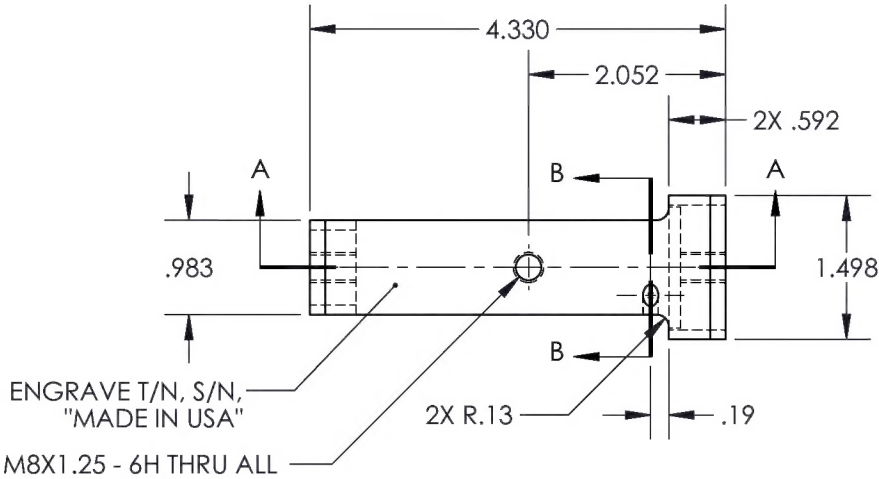
USED TO INSPECT FOR PLAY (AXIAL) OF THE T/R SPHERICAL BEARINGS (T/R BLADE SIDE), WITHOUT REMOVING THE COMPONENTS FROM THE AIRCRAFT.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	CLAMP FRAME	304 S.S.		2
			-3	1	SWIVEL END	304 S.S.		3
			-5	1	THUMB SCREW	S.S.	5/16-18 X 3, Ø1 (MCMaster-CARR #6091K47) MODIFIED	4
			-7A	1	PAD MATERIAL WITH ADHESIVE BACK	NEOPRENE	.036 THICK, DUROMETER 60A (GASKET SPECIALTIES) MODIFIED	5
			-7B	1	PAD MATERIAL WITH ADHESIVE BACK	NEOPRENE	.036 THICK, DUROMETER 60A (GASKET SPECIALTIES) MODIFIED	6
			-7C	1	PAD MATERIAL WITH ADHESIVE BACK	NEOPRENE	.036 THICK, DUROMETER 60A (GASKET SPECIALTIES) MODIFIED	7
		B/O	-9	1	SPLIT RING	STEEL	Ø7/8 O.D. X 1/8 (MCMaster-CARR #90177A217)	1
		B/O	-11	1	REMOVE BEFORE FLIGHT	NYLON	NAS 1756-12	1
		B/O	-13	1	ROLL PIN	S.S.	Ø1/16 X 5/16 (MCMaster-CARR #92373A106)	1

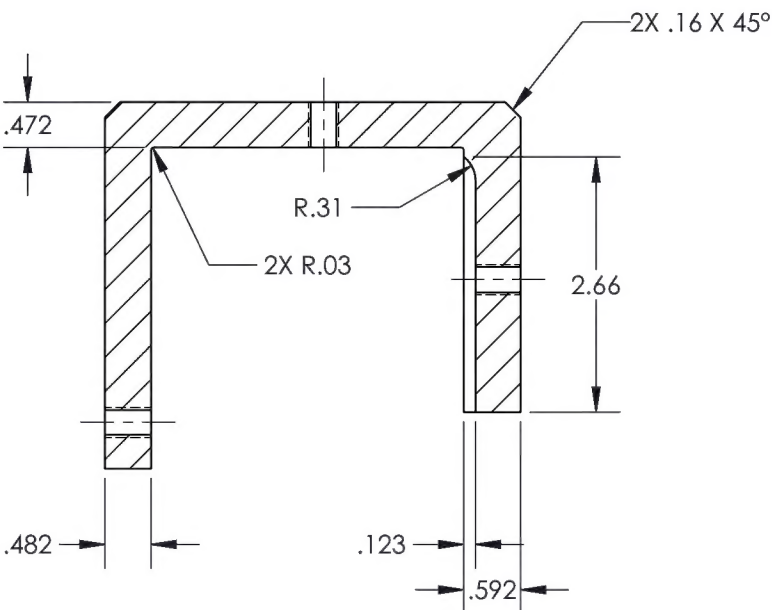
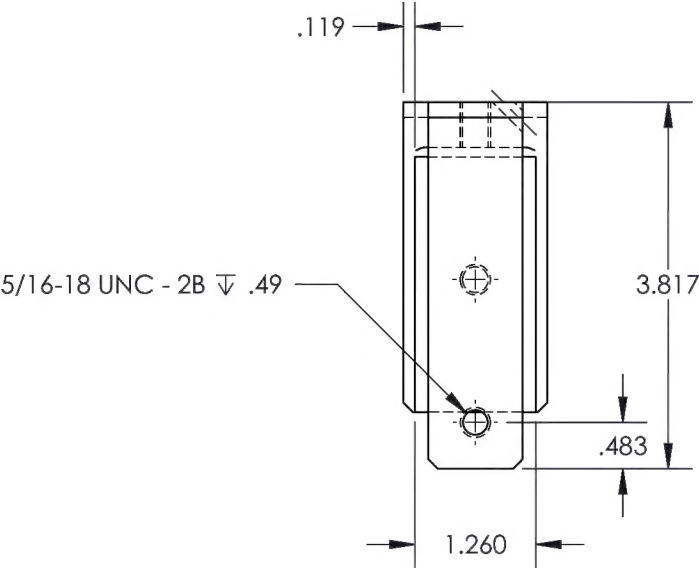
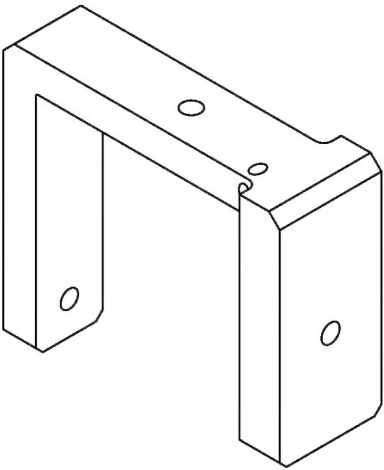
DART AEROSPACE			
TITLE SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE)			
DWG NO. RBW6005G01831-3G			REV 3
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY: PERRITT		.X ± .1 SURFACES = 125✓	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED: GILBERT		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
SCALE 1:4		USED ON MODEL	
DATE 1/30/2009		AW139	
		SHEET 1 OF 7	

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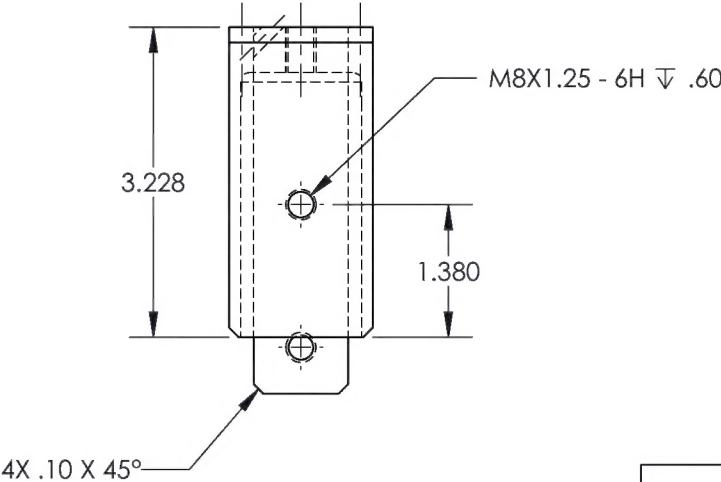
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1A		CH'D ENGRAVE NOTE P/N -1.	5/28/2009	RJC	RW
2		CORRECTED DIM P/N -1 FROM .513 TO .482 DIM SNAPPED TO DIM EXT. NOT CORNER.	5/28/2009	RJC	RW
3	16-0224	-1 CH'D DIMS WAS .592 IS 2X .592, WAS 2X R.125 IS 2X R.13, WAS .188 IS .19, WAS .200 IS .20, WAS Ø.159 IS Ø.16, WAS R.312 IS R.31, WAS 2X R.030 IS 2X R.03. ADDED DIM 2.66.	11/17/2016	DPD	JAG



SECTION B-B  
SCALE 1 : 1



SECTION A-A

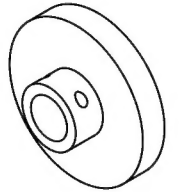
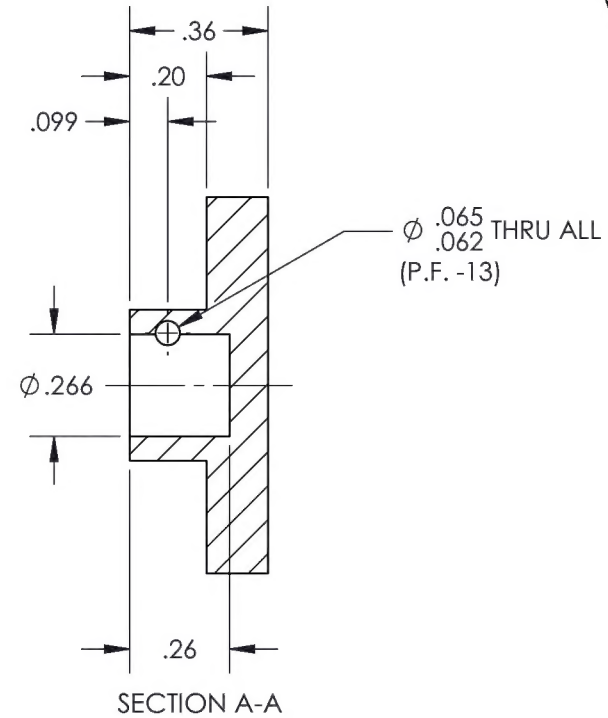
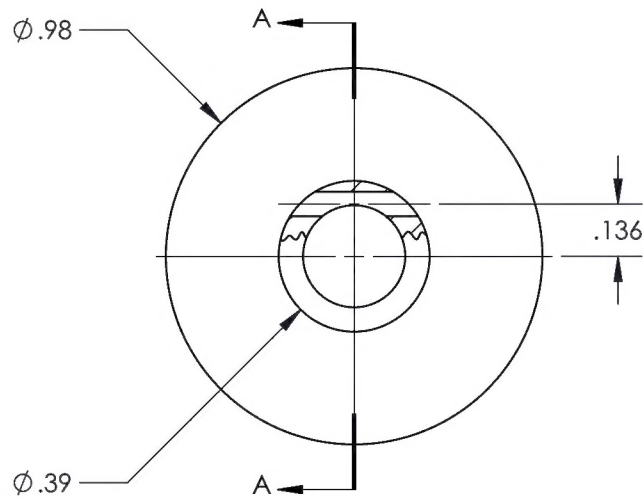


CLAMP FRAME

DART AEROSPACE			
TITLE SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE)			
DWG NO. RBW6005G01831-3G-1			REV 3
MAT'L 304 S.S.		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY: PERRITT		.X ± .1 SURFACES = 125°	
CHECKED: MACKOVJAK		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:2		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DATE 1/30/2009		USED ON MODEL	
SHEET 2 OF 7		AW139	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2A		-3 CH'D DIM WAS .0062 IS LIMITS Ø.062 TO .065.	4/15/2014	DPD	RJC
3	16-0224	-3 CH'D DIMS WAS Ø.980 IS Ø.98, WAS Ø.393 IS Ø.39, WAS Ø.062-.065 IS Ø.062-.065 (P.F. -13).	11/17/2016	DPD	JAG

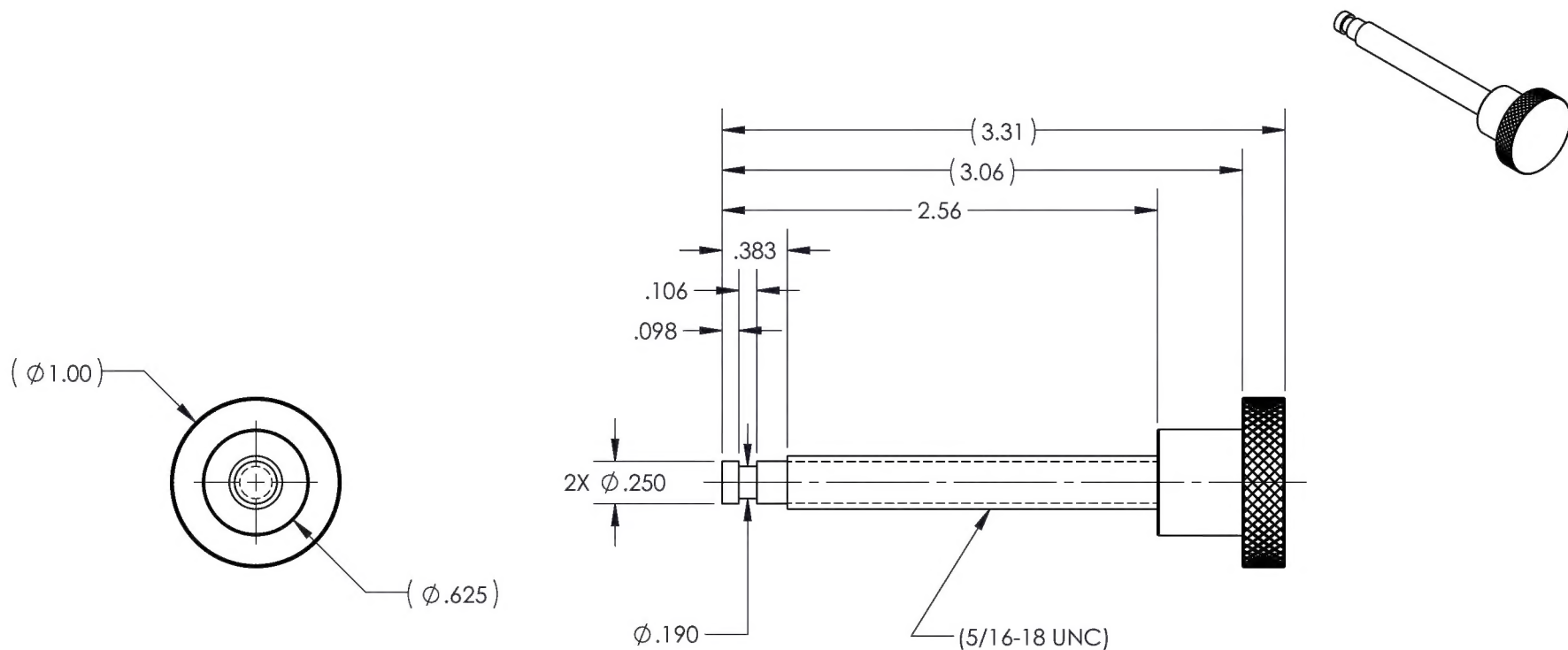


③  
SWIVEL END

<b>DART AEROSPACE</b>	
TITLE SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE)	
DWG NO. RBW6005G01831-3G-3	REV 3
MAT'L 304 S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 2:1	DATE 1/30/2009
	USED ON MODEL AW139
	SHEET 3 OF 7

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		REPLACED THUMB NUT, ALL THREAD & ROLL PIN WITH THUMB SCREW.	3/20/2009	WP	DW
3	16-0224	-5 CH'D DIMS WAS 3.31 IS (3.31), WAS 3.06 IS (3.06), WAS Ø1.00 MED KNURL IS (Ø1.00), WAS .625 IS (Ø.625), WAS 5/16-18 UNC IS (5/16-18 UNC).	11/17/2016	DPD	JAG



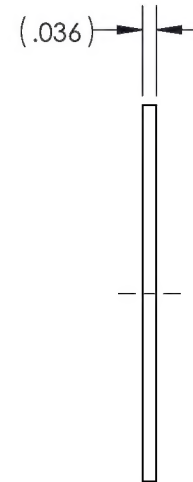
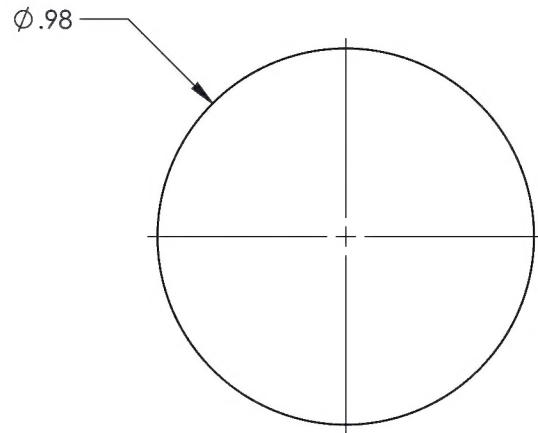
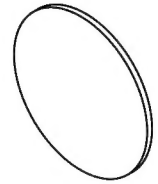
(-5)

THUMB SCREW

<b>DART AEROSPACE</b>	
TITLE SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE)	
DWG NO. RBW6005G01831-3G-5	REV 3
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 1/30/2009
	SHEET 4 OF 7

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0224	-7A ADDED TO BOM & DRAWING.	11/17/2016	DPD	JAG



(-7A)

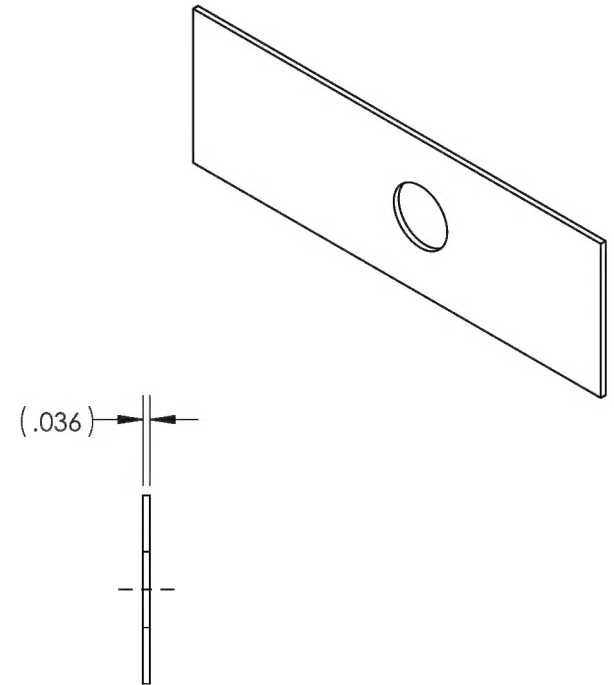
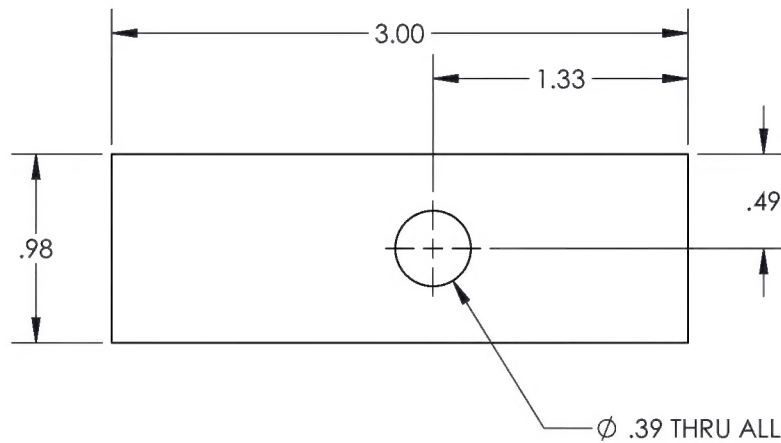
PAD MATERIAL WITH ADHESIVE BACK

<b>DART AEROSPACE</b>	
TITLE SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE)	
DWG NO. RBW6005G01831-3G-7A	REV 3
MAT'L NEOPRENE	UNLESS OTHERWISE SPECIFIED
REAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES
DRAWN BY: PERRITT	.015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY
OPPS APPR: ANDERSON	AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER
APPROVED: GILBERT	ASME Y14.5M-2009
SCALE 2:1	DATE 1/30/2009
	SHEET 5 OF 7



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0224	-7B ADDED TO BOM & DRAWING.	11/17/2016	DPD	JAG



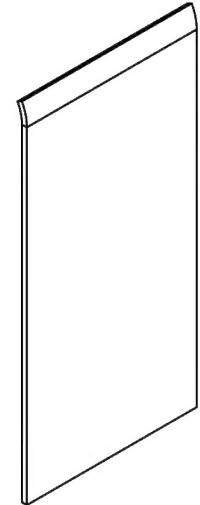
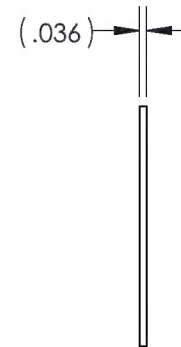
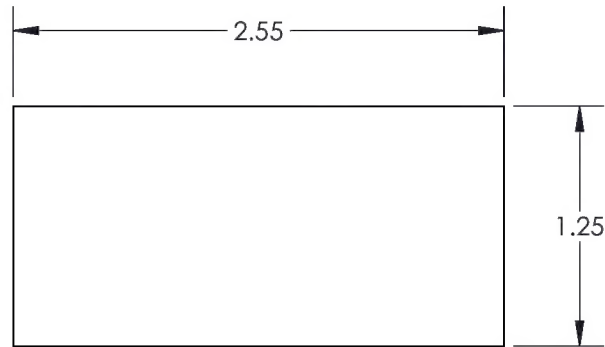
(-7B)

PAD MATERIAL WITH ADHESIVE BACK

<b>DART AEROSPACE</b>	
TITLE SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE)	
DWG NO. RBW6005G01831-3G-7B	REV 3
MAT'L NEOPRENE	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 1/30/2009
	USED ON MODEL AW139
	SHEET 6 OF 7

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0224	-7C ADDED TO BOM & DRAWING.	11/17/2016	DPD	JAG



(-7C)

PAD MATERIAL WITH ADHESIVE BACK

<b>DART AEROSPACE</b>	
TITLE SUPPORT ASSY, DIAL GAUGE (T/R DAMPER BLADE SIDE)	
DWG NO. RBW6005G01831-3G-7C	REV 3
MAT'L NEOPRENE	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 1/30/2009
	SHEET 7 OF 7